

SEQUENCE LISTING

<110> Wei et al.

<120> Human Hematopoietic - Specific Protein

<130> PF268D1C1

<150> PCT/US96/04930

<151> 1996-04-11

<150> 08/837,029

<151> 1997-04-11

<150> 09/265,977

<151> 1999-03-11

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 833

<212> DNA

<213> human

<220>

<221> CDS

<222> (42)..(608)

<223>

<220>

<221> sig_peptide

<222> (42)..(107)

<223>

<220>

<221> mat_peptide

<222> (108)..()

<223>

<400> 1

ctcaaccaca gactacactt gctgaactgg ctccctggggc c atg agg ctg tca ctg 56
Met Arg Leu Ser Leu
-20

cca ctg ctg ctg ctg ctg gga gcc tgg gcc atc cca ggg ggc ctc 104
Pro Leu Leu Leu Leu Leu Gly Ala Trp Ala Ile Pro Gly Gly Leu
-15 -10 -5

ggg gac agg gcg cca ctc aca gcc aca gcc cca caa ctg gat gat gag 152
Gly Asp Arg Ala Pro Leu Thr Ala Thr Ala Pro Gln Leu Asp Asp Glu
-1 1 5 10 15

gag atg tac tca gcc cac atg ccc gct cac ctg cgc tgt gat gcc tgc 200
Glu Met Tyr Ser Ala His Met Pro Ala His Leu Arg Cys Asp Ala Cys
20 25 30

aga gct gtg gct tac cag atg tgg caa aat ctg gca aag gca gag acc 248

Arg Ala Val Ala Tyr Gln Met Trp Gln Asn Leu Ala Lys Ala Glu Thr
 35 40 45
 aaa ctt cat acc tca aac tct ggg ggg cgg cgg gaa ctg agc gag ttg 296
 Lys Leu His Thr Ser Asn Ser Gly Gly Arg Arg Glu Leu Ser Glu Leu
 50 55 60
 gtc tac acg gat gtc ctg gac cgg aac tgc tcc cgg aac tgg cag gac 344
 Val Tyr Thr Asp Val Leu Asp Arg Asn Cys Ser Arg Asn Trp Gln Asp
 65 70 75
 tac gga gtt cga gaa gtg gac caa gtg aaa cgt ctg aca ggc cca gga 392
 Tyr Gly Val Arg Glu Val Asp Gln Val Lys Arg Leu Thr Gly Pro Gly
 80 85 90 95
 ctt agc gag ggg cca gag cca agc atc agc gtg atg gtc aca ggg ggc 440
 Leu Ser Glu Gly Pro Glu Pro Ser Ile Ser Val Met Val Thr Gly Gly
 100 105 110
 ccc tgg cct acc agg ctg tcc agg aca tgt ttg cac tac ttg ggg gag 488
 Pro Trp Pro Thr Arg Leu Ser Arg Thr Cys Leu His Tyr Leu Gly Glu
 115 120 125
 ttt gga gaa gac cag atc tat gaa gcc cac caa caa ggc cga ggg gct 536
 Phe Gly Glu Asp Gln Ile Tyr Glu Ala His Gln Gln Gly Arg Gly Ala
 130 135 140
 ctg gag gca ttg cta tgt ggg gga ccc cag ggg gcc tgc tca gag aag 584
 Leu Glu Ala Leu Leu Cys Gly Gly Pro Gln Gly Ala Cys Ser Glu Lys
 145 150 155
 gtg tca gcc aca aga gaa gag ctg tagtctcgga ctctaccctc ctctgaaaga 638
 Val Ser Ala Thr Arg Glu Glu Leu
 160 165
 agctggggcct tgctctgacg gtctccactc ccgtctgcag gcagccagga gggcaggaag 698
 cccttgctct gtgctgccat cctgcctccc tctccagccc tcagggcact cgggcctggg 758
 tgggagtc aa cgcttcccc tctggactca aataaaaccc agtgacctca aaaaaaaaaa 818
 aaaaaaaaaa aaaaaa 833

 <210> 2
 <211> 189
 <212> PRT
 <213> human

 <400> 2
 Met Arg Leu Ser Leu Pro Leu Leu Leu Leu Leu Gly Ala Trp Ala
 -20 -15 -10

 Ile Pro Gly Gly Leu Gly Asp Arg Ala Pro Leu Thr Ala Thr Ala Pro
 -5 -1 1 5 10

 Gln Leu Asp Asp Glu Glu Met Tyr Ser Ala His Met Pro Ala His Leu
 15 20 25

 Arg Cys Asp Ala Cys Arg Ala Val Ala Tyr Gln Met Trp Gln Asn Leu
 30 35 40

 Ala Lys Ala Glu Thr Lys Leu His Thr Ser Asn Ser Gly Gly Arg Arg
 45 50 55

 Glu Leu Ser Glu Leu Val Tyr Thr Asp Val Leu Asp Arg Asn Cys Ser
 60 65 70

 Arg Asn Trp Gln Asp Tyr Gly Val Arg Glu Val Asp Gln Val Lys Arg
 75 80 85 90

 Leu Thr Gly Pro Gly Leu Ser Glu Gly Pro Glu Pro Ser Ile Ser Val

	95		100		105
Met Val Thr Gly Gly Pro Trp Pro Thr Arg Leu Ser Arg Thr Cys Leu					
	110		115		120
His Tyr Leu Gly Glu Phe Gly Glu Asp Gln Ile Tyr Glu Ala His Gln					
	125		130		135
Gln Gly Arg Gly Ala Leu Glu Ala Leu Leu Cys Gly Gly Pro Gln Gly					
	140		145		150
Ala Cys Ser Glu Lys Val Ser Ala Thr Arg Glu Glu Leu					
	155		160		165

<210> 3
 <211> 28
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> Primer_Bind
 <223> Synthetic primer containing a Bam HI restriction site
 encoding a start AUG, followed by 19 nucleotides of the hHSP
 coding sequence beginning with the first base of the 23rd codon.

<400> 3
 cgcggtatccg acagggcgcc actcacag 28

<210> 4
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> Primer_Bind
 <223> Synthetic primer containing an Xba I restriction site
 followed by 21 nucleotides complementary to the last 21 nucleotides
 of hHSP including the stop codon.

<400> 4
 gcgtctagag aggtcactgg gttttatttg 30

<210> 5
 <211> 34
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> Primer_Bind
 <223> Synthetic primer containing a Bam HI restriction site
 followed by 19 bases of the sequence of hHSP.

<400> 5
 cgcggtatccg ccacatcatgag gctgtcactg ccac 34

<210> 6
 <211> 30
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> Primer_Bind
 <223> Synthetic primer containing an Xba I restriction site

followed by nucleotides complementary to the last 21 nucleotides of hHSP including the stop codon.

<400> 6
gcgtctagag aggtcactgg gttttatttg 30

<210> 7
<211> 34
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic primer containing a Bam HI site, an AUG start codon and 16 nucleotides thereafter.

<400> 7
cgcccatccg ccatcatgag gctgtcactg ccac 34

<210> 8
<211> 57
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic primer containing an Xba I site, a stop codon, 9 codons forming hemagglutinin tag and 18 bp of 3' coding sequence.

<400> 8
cgctctagat caagcgtagt ctgggacgtc gtatgggtag agctcttctt ctgtggc 57